

CLAIMS

1. An image processing apparatus connected with a communication terminal having a USB host controller via a USB interface, for transmitting and receiving data
5 to/from an information processing apparatus included in a network with which the communication terminal is connected, the apparatus comprising:

operation means, operated by a user, for inputting information to arrange information related to
10 the network;

issuance means for issuing a data-receiving request to the communication terminal via the USB interface;

transmission means for transmitting the
15 information related to the network, arranged by input using said operation means, to the communication terminal, in correspondence with a data-request command sent from the USB host controller in response to the data-receiving request; and

20 communication control means for communicating with the information processing apparatus via the communication terminal using the information related to the network.

25 2. The image processing apparatus according to claim 1, further comprising:

means for issuing a data request to the

communication terminal via the USB interface; and
reception means for receiving the information
related to the network sent from the USB host
controller in response to the data request.

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3. The image processing apparatus according to claim 1,
wherein the network is a wireless network, and the
information related to the network includes an
encryption key in the image processing apparatus and
10 the information processing apparatus.

4. An image processing system comprising:

a wireless communication unit having a wireless
communicator and a USB host controller, configured to
15 execute data transmission/reception to/from an
information processing apparatus via a wireless
communication channel;

an image processing unit having a console and a
USB function controller and connected with said
20 wireless communication unit via a USB interface,
configured to arrange a value for communication by said
wireless communication unit via the wireless
communication channel; and

transfer means for transferring the value,
25 arranged using the console, from said image processing
unit to said wireless communication unit,

wherein data transfer is enabled between the

information processing apparatus and said image processing unit based on the value transferred by said transfer means.

5 5. The image processing system according to claim 4, wherein said wireless communication unit requests said value from said image processing unit in correspondence with a data-receiving request command received from said image processing unit via said USB interface.

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6. The image processing system according to claim 4, wherein said wireless communication unit transmits the value to said image processing unit in correspondence with a data-request command received from said image
15 processing unit via the USB interface.

7. The image processing system according to claim 4, wherein the value includes an encryption key to perform wireless communication via said wireless communication
20 unit.

8. The image processing system according to claim 4, wherein said image processing unit further has a USB hub connected with said wireless communication unit,
25 and wherein the console is connected with a first USB function controller, and the value is arranged for said wireless communication unit from the console

through the first USB interface.

9. The image processing system according to claim 4,
wherein said image processing unit further has a
5 display unit and a second USB function controller,
and wherein the display unit displays a value
inputted from the console via the second USB function
controller.

10 10. A control method for an image processing apparatus
connected with a communication terminal having a USB
host controller via a USB interface, which performs
data transmission/reception to/from an information
processing apparatus included in a network with which
15 the communication terminal is connected, the method
comprising:

an input step of inputting information to arrange
information related to the network operated by a user;

an issuance step of issuing a data-receiving
20 request to the communication terminal via the USB
interface;

a transmission step of transmitting the
information related to the network, arranged by input
in said input step, to the communication terminal, in
25 correspondence with a data-request command sent from
the USB host controller in response to the data-
receiving request; and

a communication control step of communicating with the information processing apparatus via the communication terminal using the information related to the network.

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11. The control method according to claim 10, further comprising:

a step of issuing a data request to the communication terminal via the USB interface; and

10 a reception step of receiving the information related to the network sent from the USB host controller in response to the data request.

12. The control method according to claim 10, wherein
15 the network is a wireless network, and the information related to the network includes an encryption key in the image processing apparatus and the information processing apparatus.

20 13. A control method for an image processing system having: a wireless communication unit having a wireless communicator to execute data transmission/reception to/from an information processing apparatus via a wireless communication channel and a USB host
25 controller; and an image processing unit, having a console to arrange a value for communication by the wireless communication unit via the wireless

communication channel and a USB function controller,
connected with the wireless communication unit via a
USB interface, said method comprising:

a transfer step of transferring the value,
5 arranged using the console, from the image processing
unit to the wireless communication unit,

wherein data transfer is enabled between the
information processing apparatus and the image
processing unit based on the value transferred in said
10 transfer step.

14. The control method according to claim 13, wherein
the wireless communication unit requests the value from
the image processing unit in correspondence with a
15 data-receiving request command received from the image
processing unit via the USB interface.

15. The control method according to claim 13, wherein
the wireless communication unit transmits the value to
20 the image processing unit in correspondence with a
data-request command received from the image processing
unit via the USB interface.

16. The control method according to claim 13, wherein
25 the value includes an encryption key to perform
wireless communication via the wireless communication
unit.

17. The control method according to claim 13, wherein the image processing unit further has a USB hub connected with the wireless communication unit,

5 and wherein the console is connected with a first USB function controller, and the value is arranged for the wireless communication unit from the console through the first USB interface.

10 18. The control method according to claim 13, wherein the image processing unit further has a display unit and a second USB function controller,

 and wherein the display unit displays a value inputted from the console via the second USB function
15 controller.